

CLAIMS

What is claimed is:

- 1 1. A method comprising:
2 running a basic input/output system (BIOS) of a computing system;
3 reading a non-volatile memory coupled to the BIOS; and
4 determining if legacy partition address data is not present for a disk
5 partition identified in the non-volatile memory, and if legacy partition address
6 data is not present for the disk partition,
7 executing a Legacy option read only memory (OPROM).
- 1 2. The method of claim 1, wherein executing the Legacy OPRM further
2 comprises obtaining legacy partition address data for the disk partition that does not
3 have associated legacy partition address data.
- 1 3. The method of claim 2, further comprising, updating a partition entry in
2 the non-volatile memory with the legacy partition address data.
- 1 4. The method of claim 2, further comprising, updating a partition entry of
2 a disk drive with the legacy partition address data.
- 1 5. The method of claim 4, wherein the disk drive is a hard disk drive.
- 1 6. The method of claim 5, wherein the legacy partition address data is
2 address data compatible with a cylinder, head, sector (CHS) scheme.
- 1 7. The method of claim 5, wherein the updated partition entry is part of a
2 master boot record (MBR) of the hard disk drive.
- 1 8. The method of claim 1, wherein the disk partition identified in the non-
2 volatile memory that does not include legacy partition address data does include non-
3 legacy address partition data.
- 1 9. The method of claim 8, wherein the non-legacy address partition data is
2 address data compatible with a logical block addressing (LBA) scheme.

1 10. An apparatus comprising:
2 a basic input/output system (BIOS);
3 a non-volatile memory coupled to the BIOS; and
4 Legacy option read only memory (OPROM);
5 wherein the BIOS determines if legacy partition address data is not
6 present for a disk partition in the non-volatile memory, and if legacy partition
7 address data is not present for the disk partition, the BIOS causes the execution
8 of the Legacy OPRM.

1 11. The apparatus of claim 10, wherein the execution of the Legacy
2 OPROM causes legacy partition address data for the disk partition that does not have
3 associated legacy partition address data to be obtained.

1 12. The apparatus of claim 11, further comprising, updating a partition entry
2 in the non-volatile memory with the legacy partition address data.

1 13. The apparatus of claim 11, wherein the BIOS updates a partition entry of
2 a disk drive with the legacy partition address data.

1 14. The apparatus of claim 13, wherein the disk drive is a hard disk drive.

1 15. The apparatus of claim 14, wherein the legacy partition address data is
2 address data compatible with a cylinder, head, sector (CHS) scheme.

1 16. The apparatus of claim 15, wherein the updated partition entry is part of
2 a master boot record (MBR) of the hard disk drive.

1 17. The apparatus of claim 10, wherein the disk partition identified in the
2 non-volatile memory that does not include legacy partition address data does include
3 non-legacy address partition data.

1 18. The apparatus of claim 17, wherein the non-legacy address partition data
2 is address data compatible with a logical block addressing (LBA) scheme.

1 19. A machine-readable medium having stored thereon instructions, which
2 when executed by a machine, cause the machine to perform the following operations
3 comprising:

4 running a basic input/output system (BIOS) of a computing system;
5 reading a non-volatile memory coupled to the BIOS; and
6 determining if legacy partition address data is not present for a disk
7 partition identified in the non-volatile memory, and if legacy partition address
8 data is not present for the disk partition,
9 executing a Legacy option read only memory (OPROM).

1 20. The machine-readable medium of claim 19, wherein executing the
2 Legacy OPRM further comprises obtaining legacy partition address data for the disk
3 partition that does not have associated legacy partition address data.

1 21. The machine-readable medium of claim 20, further comprising, updating
2 a partition entry in the non-volatile memory with the legacy partition address data.

1 22. The machine-readable medium of claim 20, further comprising, updating
2 a partition entry of a disk drive with the legacy partition address data.

1 23. The machine-readable medium of claim 22, wherein the disk drive is a
2 hard disk drive.

1 24. The machine-readable medium of claim 23, wherein the legacy partition
2 address data is address data compatible with a cylinder, head, sector (CHS) scheme.

1 25. The machine-readable medium of claim 24, wherein the updated
2 partition entry is part of a master boot record (MBR) of the hard disk drive.

1 26. A system comprising:
2 a basic input/output system (BIOS);
3 a non-volatile memory coupled to the BIOS;
4 Legacy option read only memory (OPROM); and

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5 a hard disk drive having a master boot record (MBR) coupled to the
6 BIOS;
7 wherein the BIOS determines if legacy partition address data is not
8 present for a disk partition in the non-volatile memory, and if legacy partition
9 address data is not present for the disk partition, the BIOS causes the execution
10 of the Legacy OPROM..

1 27. The system of claim 26, wherein the execution of the Legacy OPROM
2 causes legacy partition address data for the disk partition that does not have associated
3 legacy partition address data to be obtained.

1 28. The system of claim 27, further comprising, updating a partition entry in
2 the non-volatile memory with the legacy partition address data.

1 29. The system of claim 27, wherein the BIOS updates a partition entry of
2 the MBR of the hard disk drive with the legacy partition address data.

1 30. The system of claim 29, wherein the legacy partition address data is
2 address data compatible with a cylinder, head, sector (CHS) scheme.